

Vladimir Andreevich Bushuev
Serial No.: 09/649,431
Filed: August 25, 2000
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Remarks

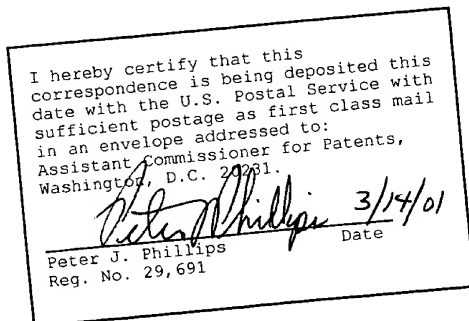
This Second Preliminary Amendment replaces and supercedes the Preliminary Amendment filed January 9, 2001.

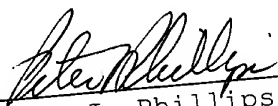
Entry of the present amendment to claim 1 is respectfully requested. A clean copy of claim 1 is attached, as Exhibit 1. A copy of claim 1 as filed with the changes to claim 1 being indicated by this amendment is attached as Exhibit 2.

If the Examiner has any questions regarding any aspect of this Amendment, applicants' undersigned attorney invites a telephone call at the number provided below.

No fee is believed to be due in connection with this Preliminary Amendment. In the event that any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account 03-3125.

Respectfully submitted,




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1. (Amended) A process for producing low-molecular olefins by pyrolysis of hydrocarbons, which comprises preheating and evaporating a starting feedstock, mixing the same with a steam-diluent, heating [a] the resulting mixture to the pyrolysis temperature in a blading rotary reactor [by heat generated inside a volume of the mixture due to hydrodynamic drag of the rotor blades rotating therein], quenching a cracked gas and subsequent separation of it, wherein the said heating the resulting mixture to the pyrolysis temperature is performed by mixing the resulting mixture with hot pyrolyzed gas being circulated in a working cavity of the blading rotary reactor for a negligible time in comparison with a duration of pyrolysis reactions.

Exhibit 2 - (Claim 1 as filed with present amendments indicated by brackets and underlining)